

ABSTRACT OF THE DISCLOSURE

In a co-generated power supply system for performing co-generated power supply to a load Lac/dc by the use of a wind turbine generator WTG, a solar cell PV and a fuel cell FC, a storage battery B and a commercial AC power source Utility, the wind turbine generator WTG, the solar cell PV and the fuel cell FC whose rated voltages are made equal to a rated voltage of the storage battery B are used as DC power sources; AC power from the commercial AC power source Utility is supplied to the load Lac/dc until the storage battery B is fully charged by the DC power sources; DC power from the storage battery B is supplied to the load Lac/dc when the storage battery B has been fully charged; and the AC power from the commercial AC power source Utility is supplied to the load Lac/dc as the storage battery B approaches the terminal period of discharging. Thus, there can be provided the novel co-generated power supply system, in which the electric power of the natural energy system having many fluctuation factors is combined with the stable electric power such as the midnight electric power or the fuel cell, so that the stable electric power is supplied to the load via the electronic transformer commonly used at a usage rate of almost 100 %, thus reducing the cost and enhancing the performance as the entire system, so as to spread and prevail the co-generated power supply and save the energy.